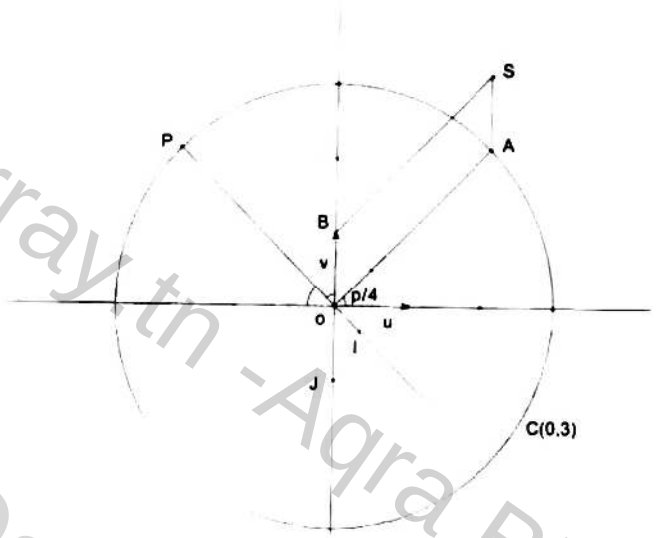
• $z_P = z_A.z_B = 3(\cos(\frac{3\pi}{4} + i\sin\frac{3\pi}{4}))$

$OP = 3$ et $(\vec{u}, \overrightarrow{OP}) \equiv \frac{3\pi}{4}(2\pi)$

• $z_I = \frac{1}{z_A} = \frac{1}{3}(\cos(\frac{-\pi}{4}) + i\sin(\frac{-\pi}{4}))$

$OI = \frac{1}{3}$ et $(\vec{u}, \overrightarrow{OI}) \equiv \frac{-\pi}{4}(2\pi)$

• $z_J = \frac{1}{z_B} = \frac{1}{i} = -i$



b) $z_A = 2(\cos\frac{\pi}{4} + i\sin\frac{\pi}{4})$

OA=2 $(\widehat{\vec{u}, \overrightarrow{OA}}) \equiv \frac{\pi}{4}(2\pi)$

* $z_B = -4$
* $z_S = z_A + z_B$ OASB parallélogramme
* $z_P = z_A.z_B = 8.(\cos 5\frac{\pi}{4} + i\sin 5\frac{\pi}{4})$
* $z_I = \frac{1}{z_A} = \frac{1}{2}(\cos(-\frac{\pi}{4}) + i\sin(-\frac{\pi}{4}))$
* $z_J = \frac{1}{z_B} = \frac{-1}{4}$

Qarray.tn -Aqra Blech- Qarray.tn